

Crash Course in Supercomputing 2010

When: June 17-18, 2010

Where: Building 5100, Room 128 Lecture Hall (ORNL)

Agenda:

Thursday, June 17: Beginning Class

8:30-9:00	Working Continental Breakfast and Welcome/Plenary Talk (Speaker: Ashley Barker, NCCS)
9:00-10:00	Introduction to UNIX
10:00-10:45	The vi editor
11:00-12:00	Makefiles
12:00-1:00	Working Lunch (Topic: “An Introduction to Computational Science” Speaker: Judy Hill, <i>Computational Mathematics Group at ORNL</i>)
1:00-2:30	C programming tutorial
2:45-4:00	Afternoon Break and Hands-on programming activities

Friday, June 18: Advanced Class

8:30-9:00	Working Continental Breakfast and Welcome/Plenary Talk (Speaker: Ashley Barker, NCCS)
9:00-10:00	Concepts of parallelization
10:00-11:00	Introduction to MPI
11:15-12:00	Batch Scripts and the workings of Supercomputers
12:00-1:00	Working Lunch (Topic: Performance Modeling Speaker: Wayne Joubert)
1:00-2:00	Introduction to OpenMP
2:00-4:00	Afternoon Break and Hands-on programming activities